

# Instruction Manual



## VIMEK 404 T4

Revision A

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## **Thank you for purchasing your model of VIMEK 404 T4**

**VIMEK 404 T4** is constructed and produced from our many years' experience in forestry. We are convinced that this is a good investment for you and that you will really enjoy this product from VIMEK!

This instruction manual is for the **VIMEK 404 T4**.

In addition to this instruction manual, you will also be supplied with other instruction manuals and spare parts books for the equipment you have opted to add to your machine.

The instruction manuals contain the information you should know in order to handle and care for your VIMEK 404 T4 in the best possible way. Pay close attention to the content and the advice given before operating your machinery. This will provide the optimum conditions for long, trouble-free value-for-money operation.

When ordering spare parts, the spare part number and machine number should also be given in order to ensure receipt of the right spare part.

VIMEK conducts continuous product development and reserves the right to freely change the content of its publications, instructions and information without prior notice.

Particularly important information is marked with the following symbols:



**Only trained and authorised personnel may use the machine**



**Risk of personal injury or damage to property**



**Immediately stop any work**



**Important information**

### **Applications**

The machine is, in this application, designed for clearing timber and brushwood as well as ditch cleaning with the grab bucket.

The machine must be used and cared for in accordance with the instructions.

It is of particular importance that the stated safety regulations are followed.

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# 1 Introduction

## 1.1 VIMEK 404 T4

VIMEK 404 T4 is a 4-wheel drive harvester with optimal properties for thinning work.

The machine is equipped with an effective harvester unit.

Thinning can be done with a minimum of road area thanks to both its centre and wheel control as well as a width of only 1.84 m.

The machine is equipped with a tested cab.



- ❗ Carelessness or incorrect use of the machine may result in serious personal injury or damage to property.
- ❗ Read and learn the safety regulations before you begin driving the machine!

## 2 Safety

### 2.1 General

The rules below do not exempt the driver from complying with legislation or other applicable national regulations pertaining to safety in the workplace.

Incorrect use, poor maintenance or carelessness may cause injury or damage to equipment and the environment.

Therefore, it is important to study, understand and follow the instructions set out in the operator's manual.

The person responsible for installing, servicing or doing anything else with the machine must have received the necessary training and be competent to perform their task.

### 2.2 Safety Regulations



The operator must undergo training under the supervision of a qualified tutor.



Do not walk under a lifted load



Damaged or worn parts must immediately be changed



The danger area around the machine extends for 75 metres



The crane is not suitable for lifting people.



Ensure that the engine cannot be started unintentionally.



During driving, the driver must look out for abnormal noise and leaks.



Errors that are discovered which could lead to personal injury or damage to property must be resolved before further driving.



The braking function is reduced when the gearbox is in neutral and when the 4-wheel drive is disconnected.



The centre lock is deactivated when the machine's accelerator is pressed. There is a risk of rolling over.



Running the engine must be done in well-ventilated areas. There is a risk of poisoning.



Do not mix the fuel with any other substance - risk of explosion.



Turn off the engine before servicing, maintenance or inspection.



Always disconnect the supply voltage to the machine before starting any maintenance or service work.



Never open the cooler lid when the engine is running or has recently been stopped. Pressurised hot water in the cooling system.



When operating the machine in forests, all work must be carried out so that the machine, driver or the surroundings are not put in any danger. Extra attention should be paid if there is anybody in the vicinity of the machine.



Hoses and pipe components can still be pressurised even though the machine is switched off.



When operating near power lines, crane work must be done with caution, and the crane should not be any closer than 6 metres from the lines.



Note that the discharge of liquid from the machine can cause a risk of slipping, fire and other risks. Clean up any leaks.



Always clean the work area before and after servicing the hydraulic components.



Ensure that the seat cannot interfere with machine operation when the seat is rotated.

### 2.3 Fire Safety

The machine can be additionally equipped with a sprinkler system. Read the accompanying instructions. Be cautious when washing, start-up help and other procedures which may damage the system.

At delivery, the machine is supplied with 2 fire extinguishers - one on the outside and one inside the cab.



**The machine owner is responsible for ensuring that the applicable regulations in respect of fire protection are followed. Contact your insurance company**



**Be extra observant for fire if the machine is equipped with chains or caterpillars. Risk of formation of sparks on stony surfaces.**



### 2.4 Personal Safety

Use ear defenders.

Use suitable protective equipment when servicing.



## 2.5 Safety switch

The machine has a safety switch which recognises when the seat is locked in position to the crane. If the seat lock is not in position, the joystick and the harvester unit will stop working. You must therefore ensure that the seat lock is engaged.



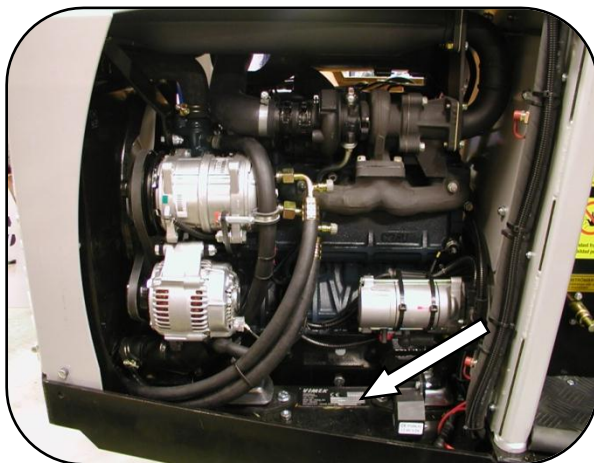
Safety switch for seat bearing

### 3 Identification

The identification plate has information on the machine type, production number, production year, manufacturer, CE mark, etc.

This information is important to know when ordering spare parts or in any other contact with the manufacturer where machine identity is significant.

Location and appearance as below.





## 4 Technical Data

### Engine

Make/Model	Kubota Turbodiesel V2403-M-T
Number of cylinders	4
Max. power/RPM	44 kw/2700rpm
Engine capacity	2434cc

### Transmission/steering

Gearbox	Turning box, speed register 0-15 km/h
Drive, gearbox	Hydraulic motor
Transmission	Mechanical
Steering	Hydraulic articulated steering and axle steering

### Hydraulic system

Pressure	220 bar
Flow	Load sensing max 120l/min

### Volumes

Oil volume, gearbox	18 l
Oil volume, engine	4.2 l at filter change
Fuel volume	52 l
Hydraulic oil volume	52 l

### Dimensions

Tyres	405/70-24 (14 ply)
Length	3,350 mm
Width, max.	1,840/2150 mm (external measurements, drive wheel)
Cab roof height, inc. sprinkler	2.8m
Ground clearance	400 mm
Weight	Weight inc. unit, 4.1 tonnes

### Electrical system

Voltage	12V and 24V
Battery	12V-95Ah
Generator	12V 90amp

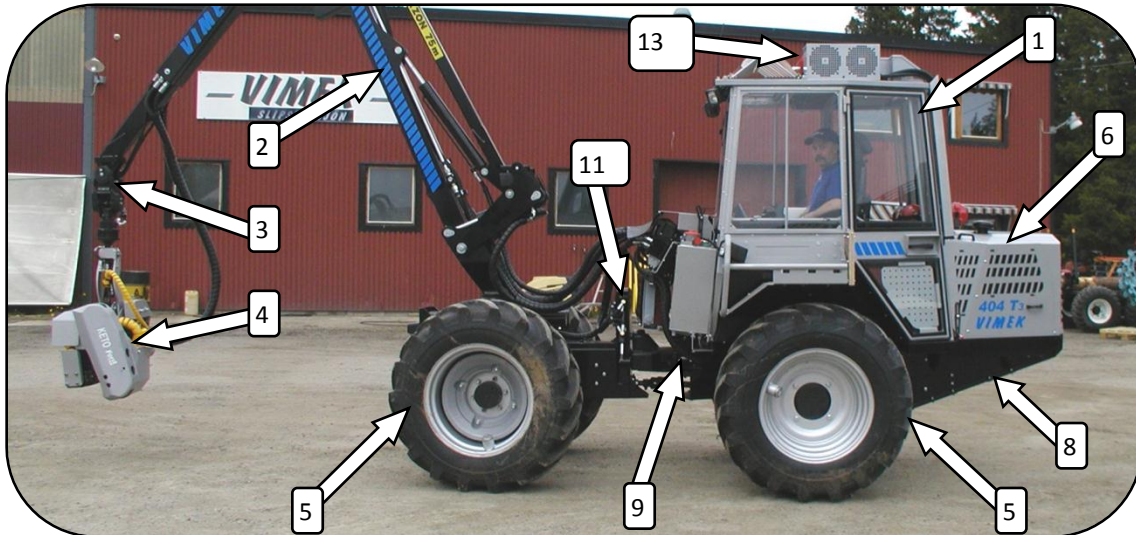
#### 4.1 Oil qualities

Engine	CF CF-4 CG-4 CH-4 CI-4
Gearbox	GL4, GL5, additive required for wet brakes
Steering axle	GL4, GL5

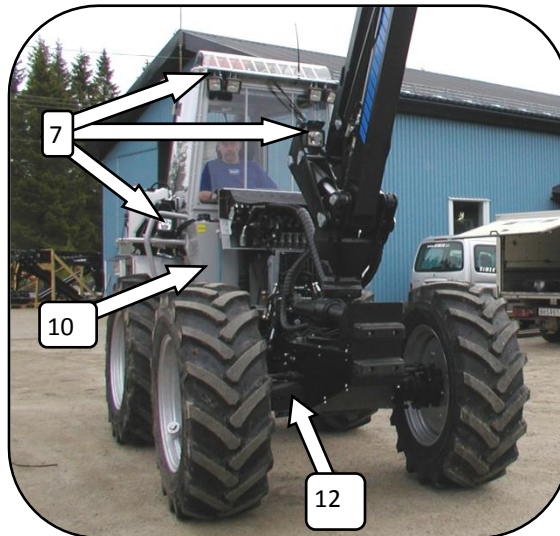
## 5 Technical Description

### 5.1 Machine

The machine comprises a centrally steered tractor chassis, a crane and a cutting head.



1. Driver's cab
2. Crane
3. Rotator/link
4. Harvesting unit/other tool
5. Tyres
6. Bonnet
7. Work lights
8. Belly guard
9. Centre link
10. Diesel tank
11. Centre stabilisation
12. Front axle
13. Condenser AC (extra equipment)



## 5.2 Crane

See the separate instruction manual for your specific crane model.  
The crane identification plate is located as shown in the image below.



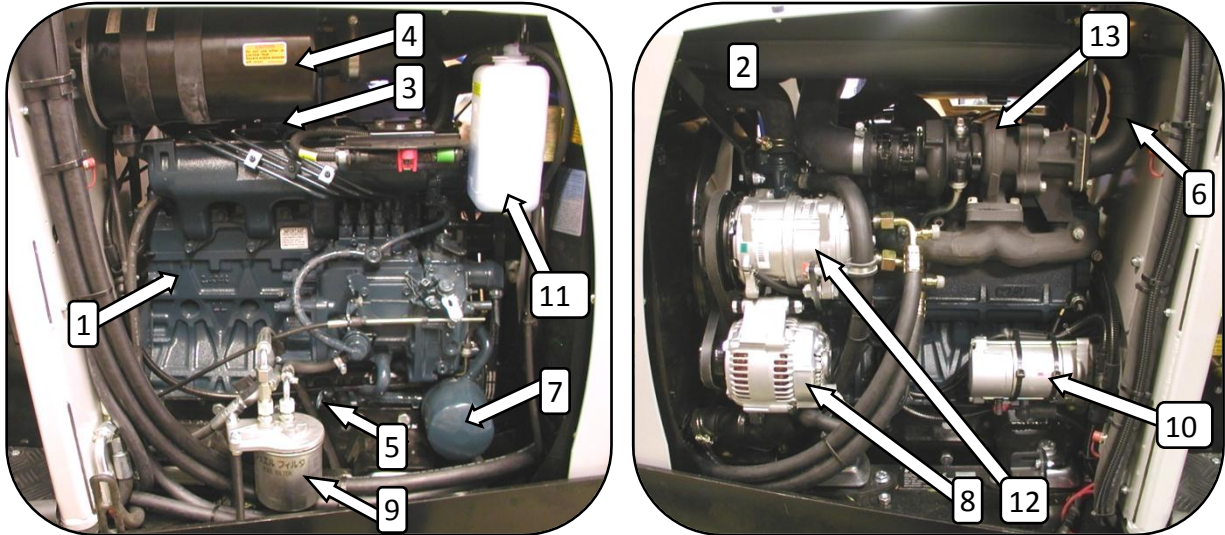
## 5.3 Harvesting unit

See separate instruction manual.



## 5.4 Engine

The engine is a KUBOTA brand 4 cylinder turbo diesel engine. See the separate manual for a detailed description.



- 1. Engine
- 2. Cooler
- 3. Oil filler inlet
- 4. Air purifier
- 5. Dipstick

- 6. Exhaust pipe
- 7. Oil filter
- 8. Generator
- 9. Diesel filter
- 10. Starter motor

- 11. Expansion tank
- 12. AC compressor (option)
- 13. Turbo

## 5.5 Transmission

A hydraulic motor drives the gearbox.

The power from the gearbox is transferred to the front axle via a universal shaft.

The gearbox has 4 positions and a speed lever with 4 positions.

These work both forward and backwards.

The direction is determined by the accelerator.

The gearbox is equipped with a differential that can be locked as required.

It locks the cab section wheels and is only used if the wheels slip.

Note that locking the differential makes steering very difficult as doing so forces the machine to drive forwards in a straight line.

The machine has engageable/disengageable 4-wheel drive.

The four-wheel drive must always be engaged when working on rough terrain.



When transporting in good terrain, the four-wheel drive should be disengaged.



When the four-wheel drive is disengaged, the machine only brakes on the cab section wheels.



## 5.6 Braking

The machine has a load holding function that brakes the transmission as necessary if the machine starts to go faster than the driver is requesting through the accelerator.

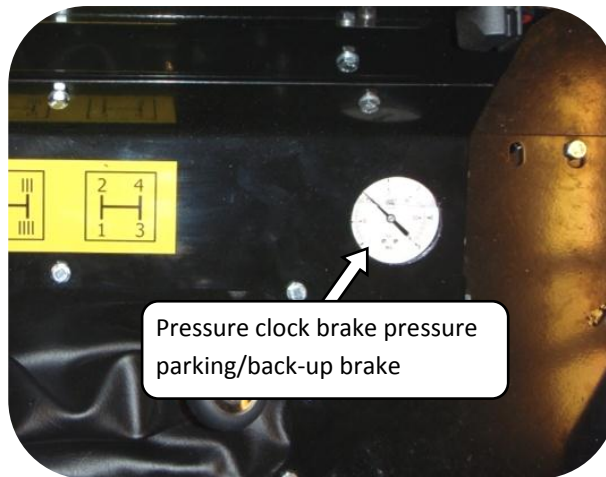
## 5.7 Back-up/parking brake

The machine is equipped with negative brakes in the steering axle.

The brakes are automatically activated when:

- The machine is switched off
- Turned on and with the accelerator in neutral.

The brakes are automatically released when the accelerator is activated; even if the machine's gearbox is in neutral.



The brakes are activated if the pressure clock indicates 0 bar.

When the throttle is activated the brakes will be unlocked and the pressure clock should indicate a pressure around 20-40 bar (a minimum pressure of 13 bar is required to unlock the brakes).



**Check the pressure clock value when you change gear.**



**Contact service personnel if the break pressure isn't correct.**



**When any of the gear sticks is in neutral, the hydraulic motor will not brake the machine.**



**Avoid changing gear if the machine is on a slope. If you are forced to change gear whilst on an incline, use the crane and steering controls as extra brakes.**

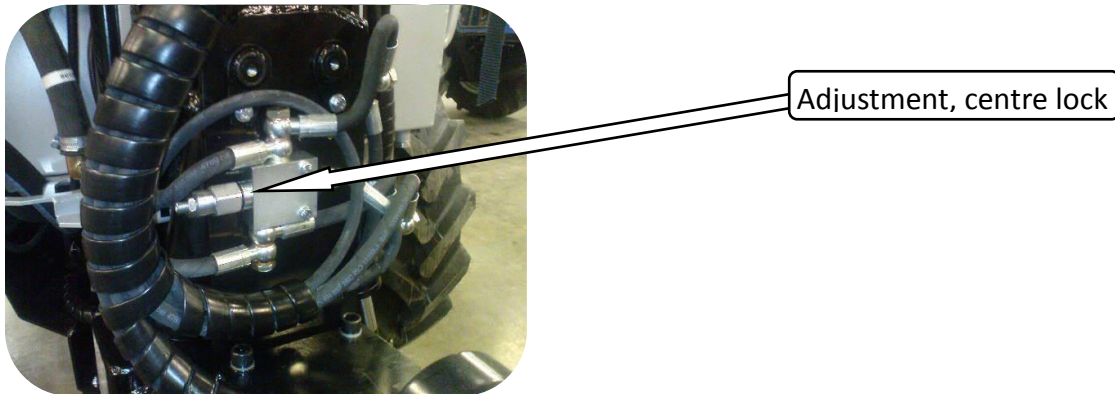
### 5.8 Centre stabilisation

The stabilisation cylinders' function is to counteract tipping of the machine.

The centre is locked when:

- The machine is switched off
- The machine is in operation with the accelerator in neutral.

The stabilisation is released automatically when the accelerator is activated. The opening pressure on the stabilisation lock must be adjusted if it does not lock or does not lock correctly.



Extra pressure can be placed on each stabilisation cylinder by pressing on one of the stabilisation buttons with the joystick. See "machine control, crane and base machine"

### 5.9 Heating/AC system

#### Safety

Note that the coolant circuit is a closed pressurised system and installation and service may only be carried out by firms accredited by SWEDAC.

#### Operation of AC unit.

The climate control unit is located on the roof of the vehicle.

The compartment fan blows air through two holes in the roof and is controlled by a three-step control in the user's control panel. In order to obtain cool air, the power switch is turned on and the compressor starts. Once the compressor is activated, the condenser unit on the roof also starts. Adjusting the air temperature on incoming air, to the cab, is done by adjusting the amount of hot water to the climate control unit.

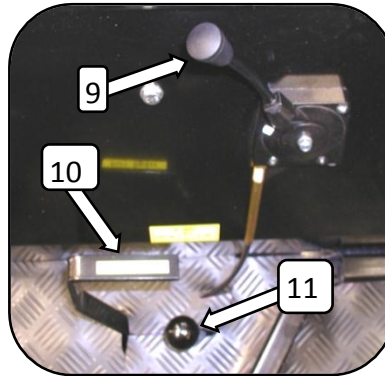
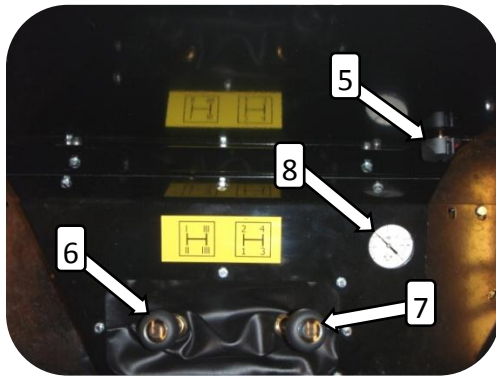
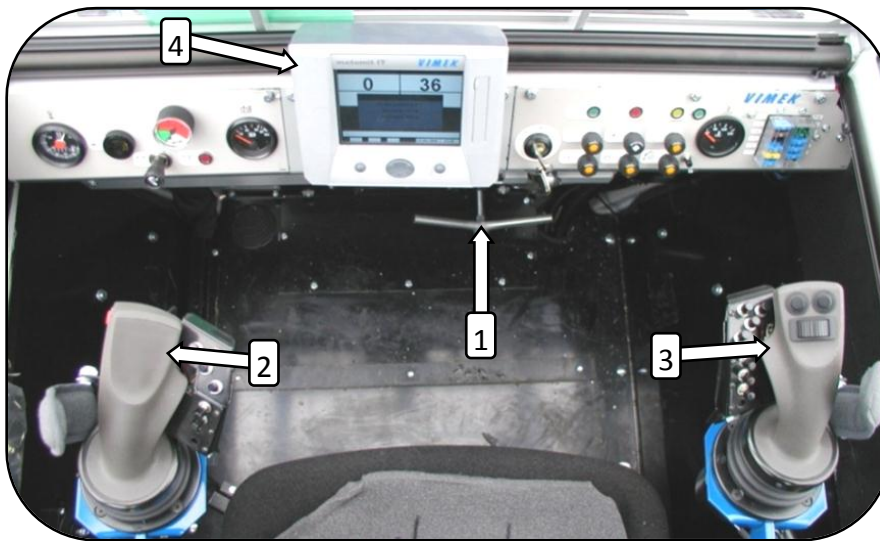
Start the AC unit once a week (even if it's not needed), too prevent the compressor seals drying broken.

#### Operating the heating unit.

The climate control unit is located on the roof of the vehicle.

The compartment fan blows air through two holes in the roof and is controlled by a three-step control in the user's control panel. Adjusting the air temperature on incoming air, to the cab, is done by adjusting the amount of hot water to the climate control unit.

## 5.10 Machine Controls

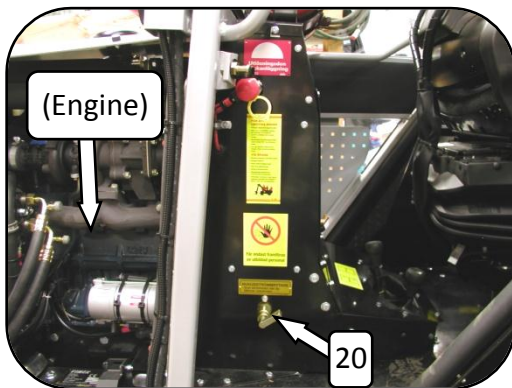
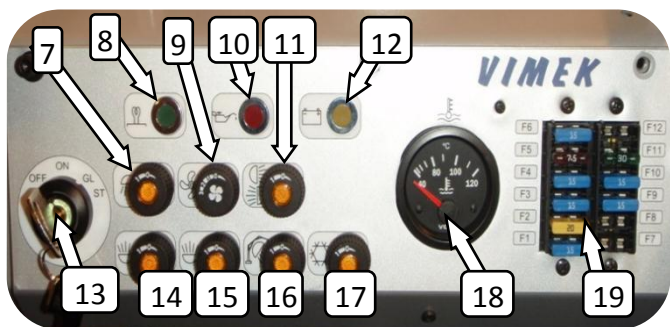
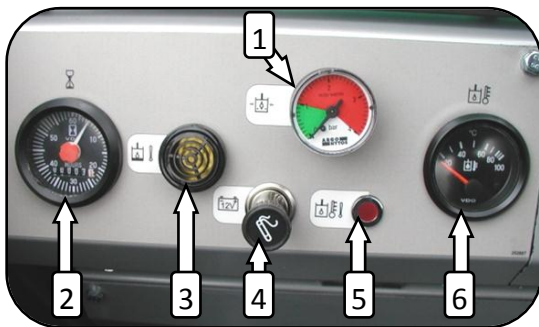


- |                                    |  |
|------------------------------------|--|
| 1. Accelerator, Forwards/Backwards | 8. Pressure clock brakes                   |
| 2. Left control lever              | 9. Control, engine RPM                     |
| 3. Right control lever             | 10. Connecting/disconnecting diff. lock    |
| 4. Computer, harvester unit        | 11. Connecting/disconnecting 4-wheel drive |
| 5. Heating controls                | 12. Relief button                          |
| 6. Shift box I - III               |  |
| 7. Gearbox 1-4                     |  |



**Remember that the centre lock locks when the machine's accelerator is activated; therefore do not rest your foot on the accelerator when not in use.**

### 5.11 Machine Controls EL



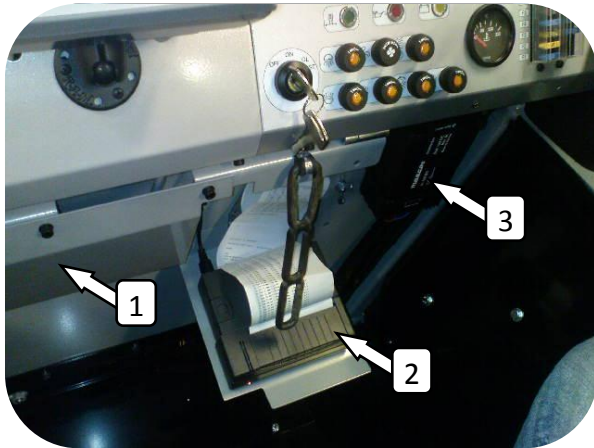
- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Pressure drop in return oil filter.</li> <li>2. Hour counter.</li> <li>3. Summer, low oil level, high temperature.</li> <li>4. Socket, 12V</li> <li>5. Warning, low oil level, high oil temperature.</li> <li>6. Oil temp.</li> <li>7. Work light, back.</li> <li>8. Heating, green.</li> <li>9. Fan speed.</li> <li>10. Warning light low oil pressure.</li> </ol> | <ol style="list-style-type: none"> <li>11. Lighting, screen fitted.</li> <li>12. Charging, red.</li> <li>13. Ignition lock.</li> <li>14. Work light roof, inside.</li> <li>15. Work light roof, outside.</li> <li>16. Crane lighting.</li> <li>17. AC, ON/OFF.</li> <li>18. Engine temp.</li> <li>19. Fuse holder.</li> <li>20. Main switch.</li> </ol> |
|---|---|

**STOP** *Turn off the engine immediately if this light comes on! Contact your nearest dealer!*



### 5.12 Printer/converter/computer modules

If you have a printer installed in the machine, it is located in the cubbyhole under the instrument panel. The computer modules for the harvester unit are hidden under a protective plate. The converter for 12V to 24V for the harvester unit is located to the right of the printer



1. Cover plate for computer modules
2. Printer
3. Current converter

### 5.13 Power socket, external, 12V

Under the cover plate is a 12V power socket suitable for small electric pumps and similar items.

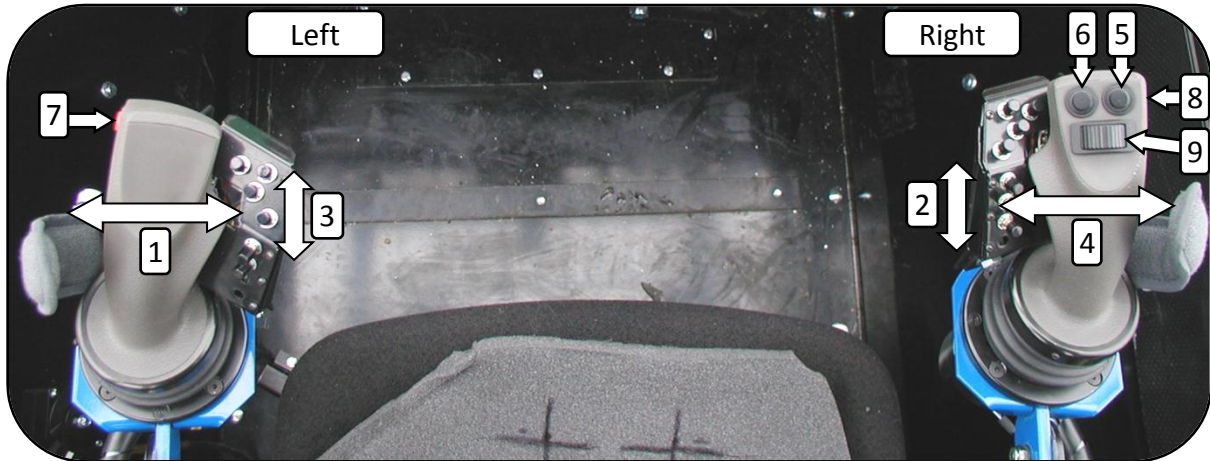




### 5.14 Machine controls, crane and base machine

The crane is operated with a 2 lever system.

Functions:

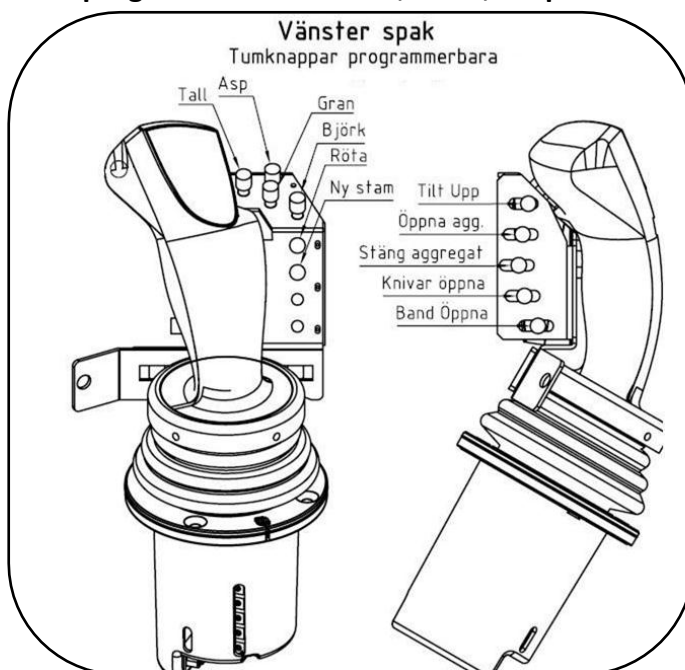


- |                         |                                |
|-------------------------|--------------------------------|
| 1. Crane rotation       | 6. Stabilisation, left         |
| 2. Crane raise/lower    | 7. Steering, front axle, left  |
| 3. Tip lever, out/in    | 8. Steering, front axle, right |
| 4. Rotator              | 9. Centre steering             |
| 5. Stabilisation, right |                                |

### 5.15 Machine controls, harvesting unit

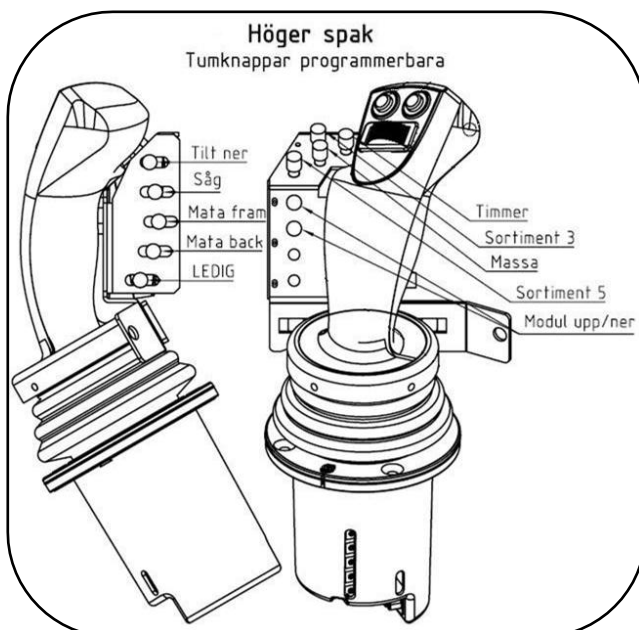
This function description shows how the button functions are designated when the machine is delivered.

- ! The thumb buttons are programmable. The information below cannot therefore be guaranteed for all machines.
- ! Check before driving, that the functions on the buttons correspond with the expected movements on the machine.
- ! The lowest button on the right joystick, labelled 'free', is - from the 404T4 onwards - programmed with 'feed, back', despite the saw being in the extended position.



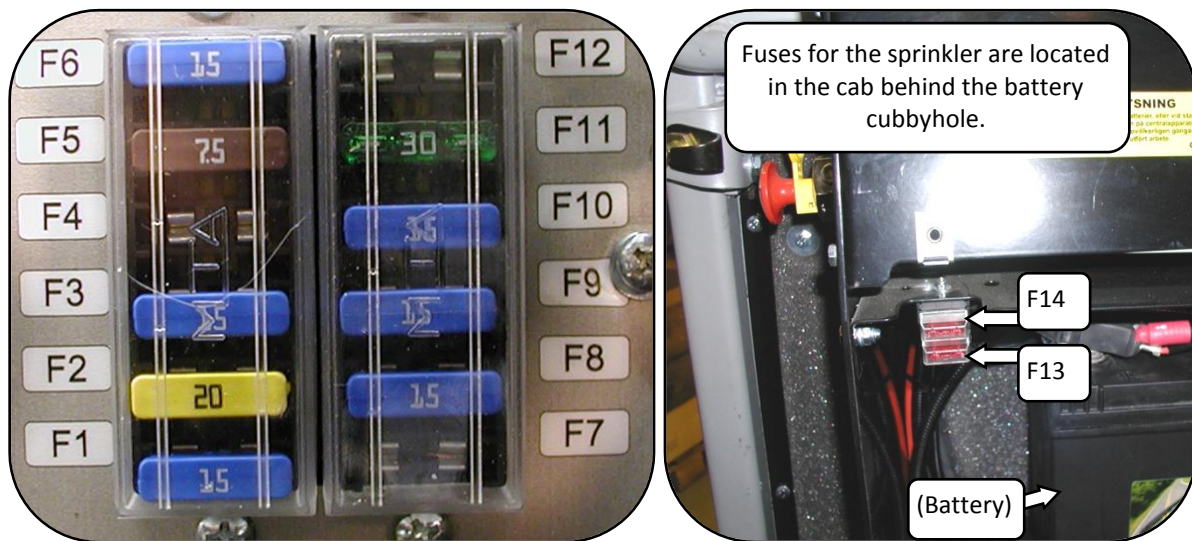
#### Translating:

Tall= Pine  
 Asp= Aspen  
 Gran= Spruce  
 Björk= Birch  
 Röta= Rot  
 Ny stam= New stem  
 Tilt upp= Tilt up  
 Öppna agg.= Open unit  
 Stäng agg.= Close unit  
 Knivar öppna= Knives open  
 Band öppna= Belt open



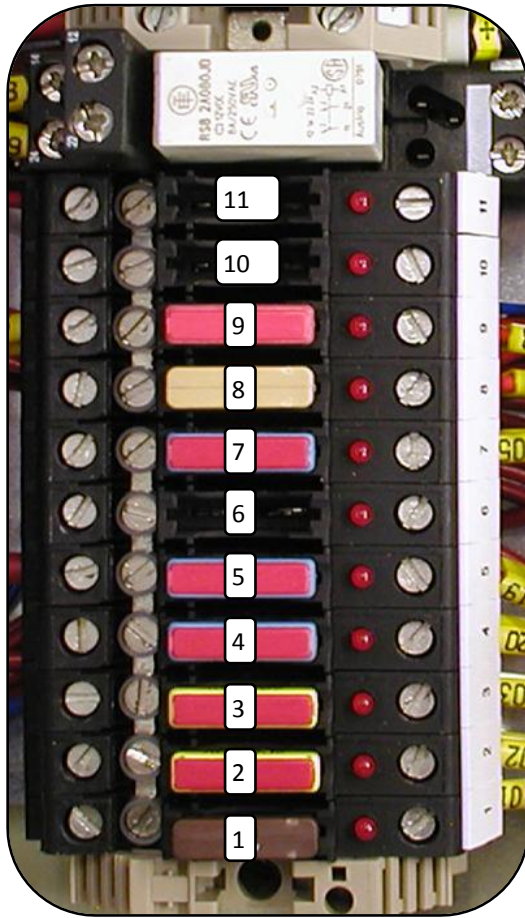
Tilt ner= Tilt down  
 Såg= Saw  
 Mata fram= Feed forward  
 Mata back= Feed Backward  
 Ledig= Free  
 Timmer= Timber  
 Sortiment 3= Assortment 3  
 Massa= Pulp  
 Sortiment 5= Assortment 5  
 Modul upp/ner= Module up/down

### 5.16 Fuses, cab



<b>F1.</b>	Windscreen wiper/radio/inside light.....	15 A
<b>F2.</b>	Feeding lever.....	20 A
<b>F3.</b>	Work light back, inside.....	20 A
<b>F4.</b>	Signal/Cigarette lighter.....	20 A
<b>F5.</b>	Work light, crane.....	15 A
<b>F6.</b>	High beam.....	15 A
<b>F7.</b>	Main light.....	15 A
<b>F8.</b>	Fan.....	15A
<b>F9.</b>	Work light, front.....	20 A
<b>F10.</b>	Work light back, outside.....	20 A
<b>F11.</b>	Ignition.....	30 A
<b>F12.</b>	Charging.....	15 A
<b>F13.</b>	Sprinkler (Extra option).....	10 A
<b>F14.</b>	Sprinkler (Extra option).....	10 A

### 5.17 Fuses, elec. box



- |  |       |
|--|-------|
| 1. Hydraulic controls.....                     | 7.5 A |
| 2. Crane lighting.....                         | 20 A  |
| 3. Work light, front.....                      | 20 A  |
| 4. Cooling fan, hydraulic oil.....             | 15 A  |
| 5. Crop computer.....                          | 15 A  |
| 6. Spare.....                                  |       |
| 7. Power socket.....                           | 15 A  |
| 8. Transporting position<br>stabilisation..... | 5 A   |
| 9. Cigarette lighter socket.....               | 10 A  |
| 10. Spare.....                                 |       |
| 11. Spare.....                                 |       |



### 5.18 Hydraulics

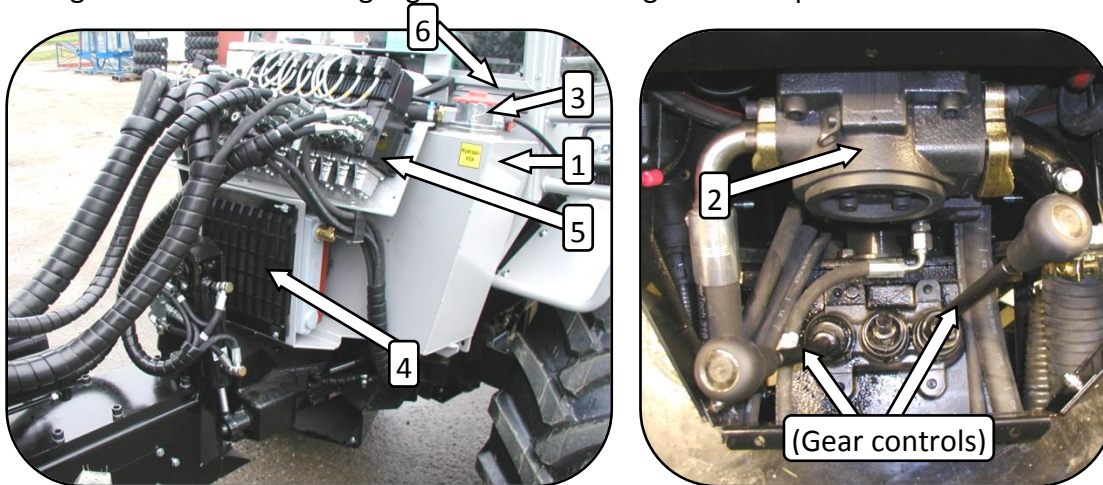
The hydraulic system is load-sensing.

The hydraulic pump sucks oil from the tank and forces the oil into the manoeuvring valve.

Before the return oil goes into the tank, it is cooled as required and cleaned through a return filter.

In the cab is a gauge that shows the degree of filter clogging.

Change the filter when the gauge indicates too high a return pressure. See the service manual



1. Hydraulic oil tank

2. Hydraulic pump

3. Return oil filter

4. Hydraulic oil cooler

5. Valve unit

6. Level sensor

- Hydraulic oils:

For optimum operation and lifespan of the hydraulic system, the hydraulic oil must be designed for outside use and must work within a wide temperature range.

The oil must contain additives to counteract foam, improve the film strength and reduce the viscosity's temperature dependence.

We recommend an environmentally-friendly oil.

The machine is normally supplied with AGROL MENDO BIO 46 (unless otherwise is desired).



**If the machine is filled with another oil, it should be from the list on the next page.**



**Before using any oil other than AGROL MENDO BIO 46, you must also confirm with your supplier that the oils can be mixed.**



Agro Oil	Agrol Mendo Bio 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Binol AB	Binol Hyd 46 E	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Binol AB	Binol Hyd 46	Vegetable/Synth. ester	Not generally compatible with other products on the TRB list. Contact your supplier.
BP	Biohyd SES 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Castrol	Hyspin Bio P	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.
Greenoils	Greenplus ES 46	Vegetable	Not generally compatible with other products on the TRB list. Contact your supplier.
Mobil	EAL Syndraulic 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Norsk Hydro	Hyndla Bio SE 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
OK-Q8 AB	Holbein Bio Plus	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.
Shell	Naturelle HF-E 46	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Statoil	Hydraway Bio SE 32-68	Synthetic ester	Not generally compatible with other products on the TRB list. Contact your supplier.
Texaco	Hydra 46	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.
Volvo Parts	Biodegradeable	Synthetic ester	Can be mixed with all synthetic esters on the TRB list up to 50 %.

### 5.19 Hydraulic system cleanliness

Hydraulic components are sensitive to contamination. Always take care to ensure that dirt or water does not get into the hydraulic system. Once a year (or every 500 operating hours), you should perform an oil analysis in conjunction with your oil supplier in order to ensure that the oil is in good condition.

### 5.20 Filling with hydraulic oil

When topping up oil levels, use a pump fitted with a filter. Fill the level to around 5 cm from the top of the tank.

### 5.21 In cold climates

In cold climates, always warm up the engine and the hydraulic system before beginning work with the machine.

Run the engine on low revs and do not set it to a high load before it has reached operating temperature.

Run all hydraulic functions carefully until the hydraulic system has reached operating temperature.

### 5.22 Starting the Engine

A cold engine should be warmed before start-up.

Heating mode is marked by (GL).

External temperature	Heating time
Warmer than 10°C	Not necessary
+10°C to -5°C	approx. 5 seconds
Below -5°C	approx. 10 seconds
Maximum heating time	20 seconds

1. Check that the main power switch is on.
2. Put the forward/backward control in neutral.
3. Turn the key to the (ON) position.
4. Check that the lights come on and that the gauges are activated.
5. Turn the key to (GL) heat according to the table above.
6. Gently pump the accelerator, turn the key all the way to start, marked (ST).
7. Release the key immediately once the engine has started.

If the engine does not start within 10 seconds, wait 30 seconds before starting again from step 6.

After start-up

- Check the colour of the exhaust emissions. Abnormally dark emissions can indicate serious engine damage.
- Listen for abnormal engine noise.
- Always allow the engine to reach operating temperature before loading fully.

### 5.23 Backward rotation

Backward rotation may occur in instances where loading is fast and, in particular, where engine output at the set working speed is lower than the hydraulic power used. In such instances, the engine must be immediately shut off as its lubrication system is not working. You will hear a noise from the engine if this occurs:

- Because the intake and exhaust sides change direction, the engine noise will change and exhaust gases will come out through the air filter.
- A loud tapping noise will be heard from the engine.

### 5.24 Stopping the Engine

1. Let the engine idle for around 1 minute before turning off.
2. Turn the key to (OFF).

Stop the engine immediately if:



The oil pressure light comes on.



Speed suddenly increases or decreases.



There is unusual engine noise.



The colour of the exhaust emissions suddenly becomes dark.



The temperature of the cooling water suddenly increases.

### 5.25 Driving



**Safety function: The driver's seat must be turned in the direction of driving and the seat lock must be in position, in order for the steering lever function to be activated.**

1. Turn the seat to the driving position.
2. Use the safety belt if one is fitted.
3. Start the engine and let it idle.
4. Check the function of the manoeuvring valve.
5. Run the functions gently to warm up the hydraulic oil.
6. Check that all functions work satisfactorily.
7. Check that the hydraulic hoses between the base machine and the crane can move freely.
8. Gently press the accelerator.
9. Check the function of the brake.
10. Check the engine temperature and oil pressure during operation.
11. Check the amount of fuel before driving. Never let the fuel tank get entirely empty.

### 5.26 Gas controls

When working with harvesting equipment, an indicator shows at 2300rpm, which is a suitable working speed for harvesting using a Keto Forst harvester.

Driving at a higher RPM increases the power, but can cause heating of the hydraulic system and consuming much more diesel.

Start from the mark on the throttle, listen to the engine and adjust the RPM up or down so that the engine runs quietly and does not lose speed when it is loaded.

Lower the engine revs and leave it to idle for a minute before stopping the engine.

### 5.27 Steering

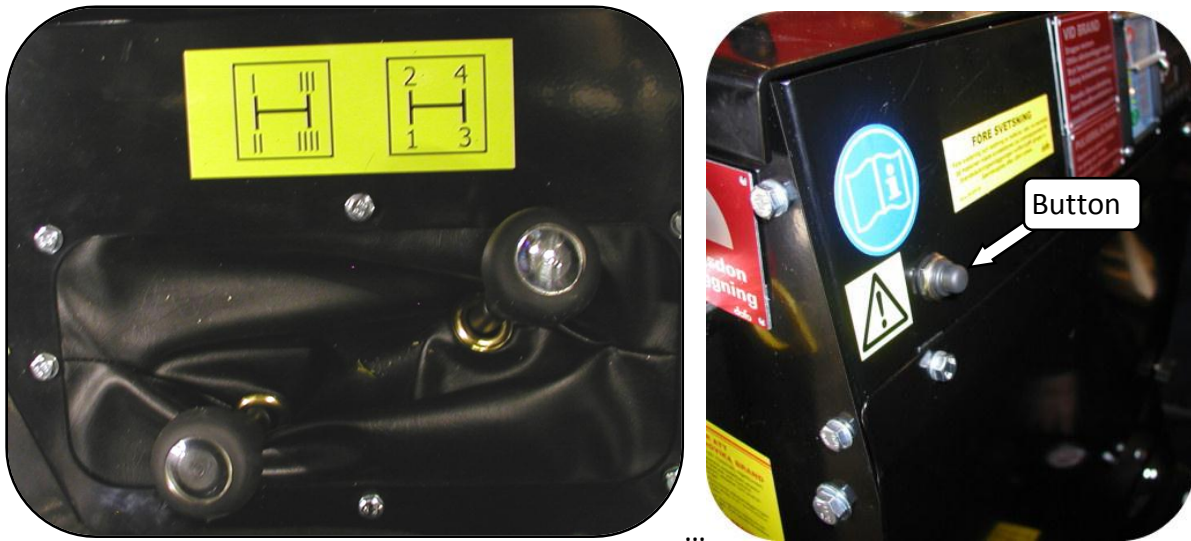
The machine has both centre steering and front axle steering.

The machine is operated with steering levers. See "Machine controls, crane and base machine".

### 5.28 Gears

Gear changes must be done with the accelerator in neutral. If you cannot manage to get the gear either in to or out of position, push the button (see picture below) while shifting.

Gear box location according to the decal.



**When the button is pressed, the hydraulic motor will not break the machine.**

### 5.29 Parking

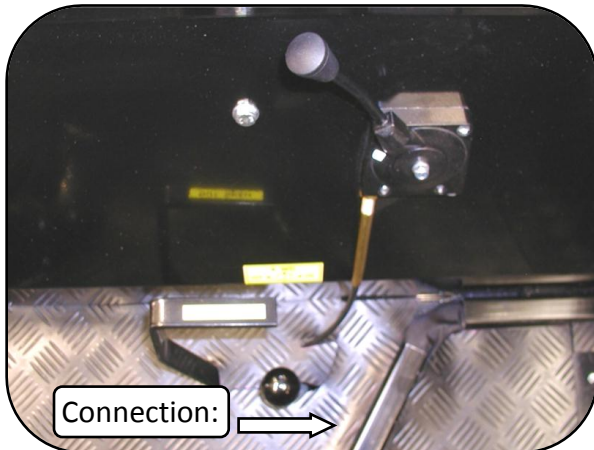
1. Park the machine on flat ground.
2. Put the accelerator in neutral.
3. Lower the unit towards the back.
4. Stopping the engine.
5. Walk around the machine and check for any damage.

### 5.30 4-wheel drive

The machine's engageable/disengageable 4-wheel drive is operated according to the image. Read chapter 5.5 for a description of the 4-wheel drive. If you cannot manage to get either in to or out of gear, try carefully rolling the machine forwards or backwards by pressing the accelerator.

Connection:

- Move the lever in the direction of the arrow



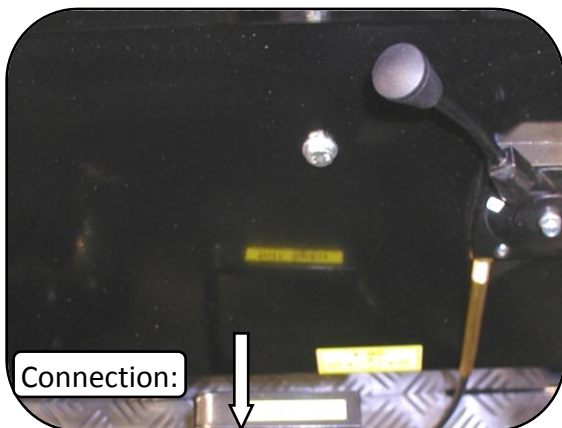
### 5.31 Limited Slip Differential

Over difficult terrain, the limited slip differential can be locked, in order to increase navigability.

The locking is connected during operation when one of the wheels spins.

Connection:

- Pull the lever in the direction of the arrow, towards the driver's seat.



**Do not drive the machine for long distances with the limited slip differential connected. Increased wear to the machine!**



### 5.32 Cab Heating

You can regulate the heat in the cab by opening and closing the stopcock varying amounts.

See "Machine controls".

The fan in the cab should always be on.

### 5.33 AC (Extra option)

The machine can be optionally equipped with AC.

See "Machine controls" for operation instructions.

For further information, see separate manual.

### 5.34 Diesel heater (Extra option)

The machine can be optionally equipped with a diesel heater.

For further information, see separate manual.

Observe the indicated care instructions.

In order for the diesel heater to function correctly, the cab heater stopcock must be fully open, otherwise no heat will be released into the cab and the diesel heater will shut down due to overheating.

### 5.35 Off-Road Driving

Never drive faster than feels comfortable. This spares the driver, the machine and the environment.

When driving over hilly terrain, transport should be done directly up or down in order to reduce the risk of tipping.

### 5.36 Crane Operation

- Maneuver the crane with gentle movements. Correct usage will considerably extend the lifespan of the base machine, the crane, the hydraulics and the harvesting unit.



**Extra care should be taken when driving near to power lines. The crane should always be at least 6 metres from the power lines.**

## 6 Transporting the Machine

- ! The machine may not be driven on public roads.
- ! Ensure that the machine is always adequately secured when it is transported on another vehicle.

### 6.1 Attachment points for towing



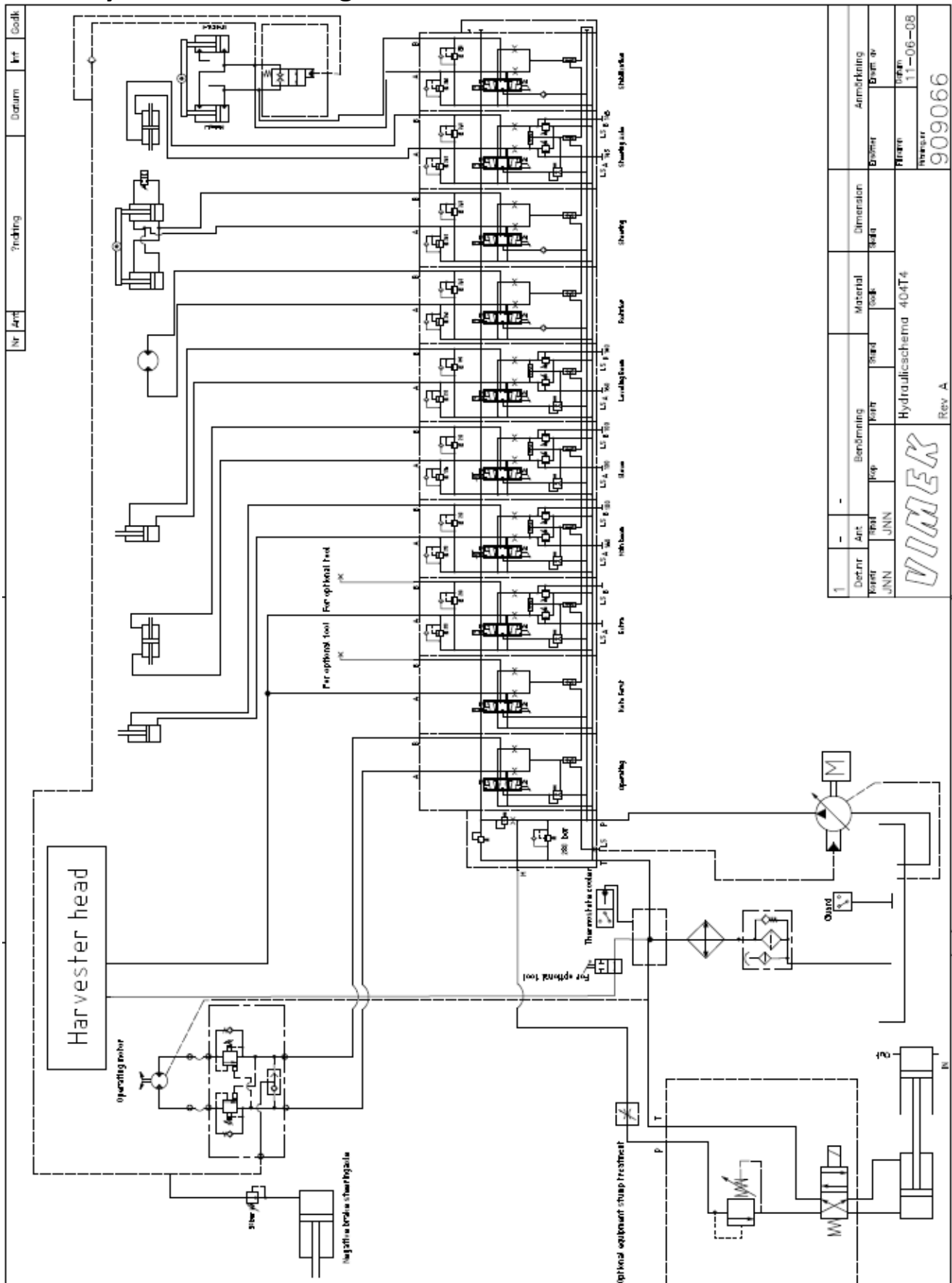
The machine's gearbox must be in neutral and the machine's brakes must be unlocked (see service manual) in case the machine is not operated.

## 7 Long-Term Storage

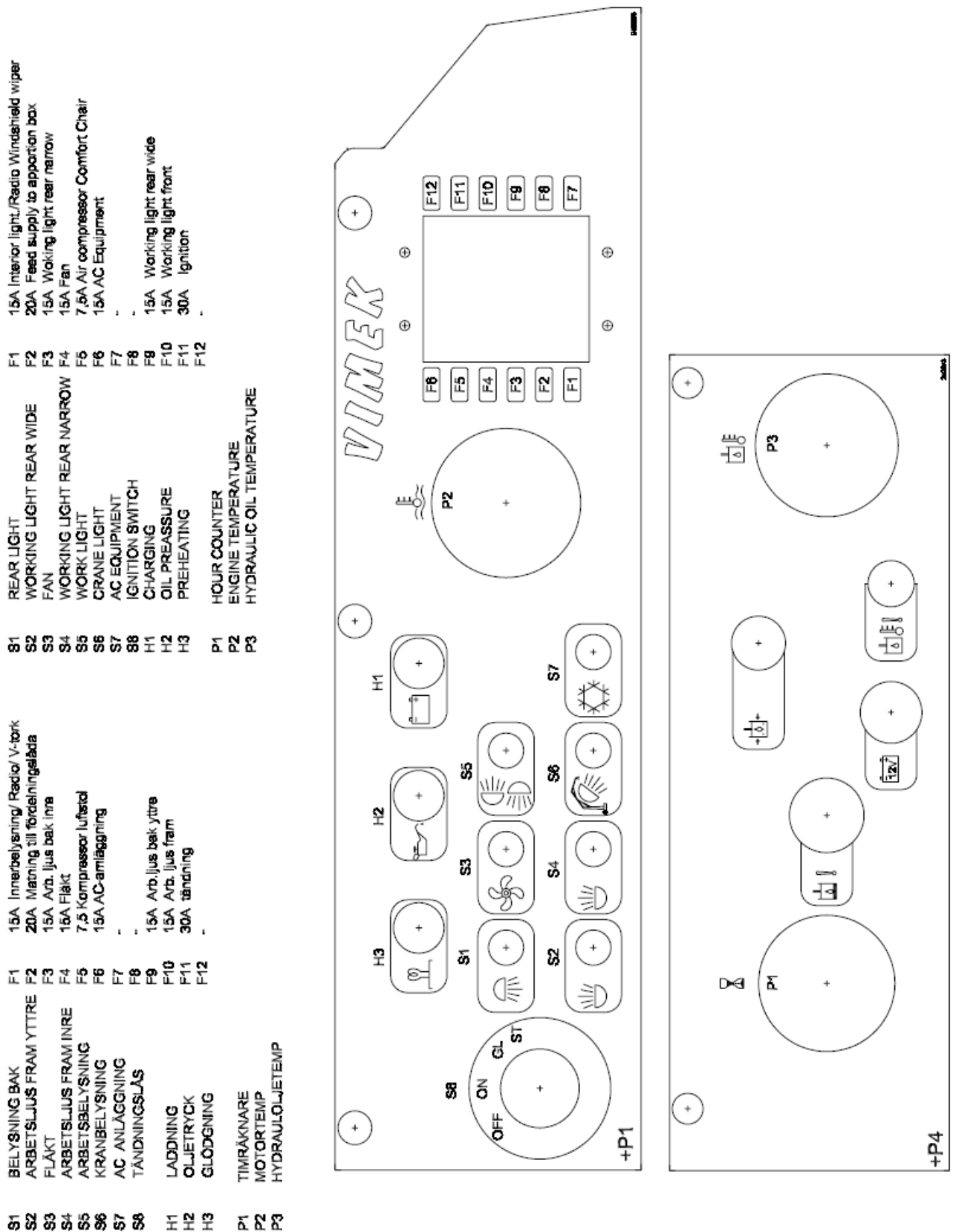
For service instructions, see "Service/Maintenance" in the machine manual.

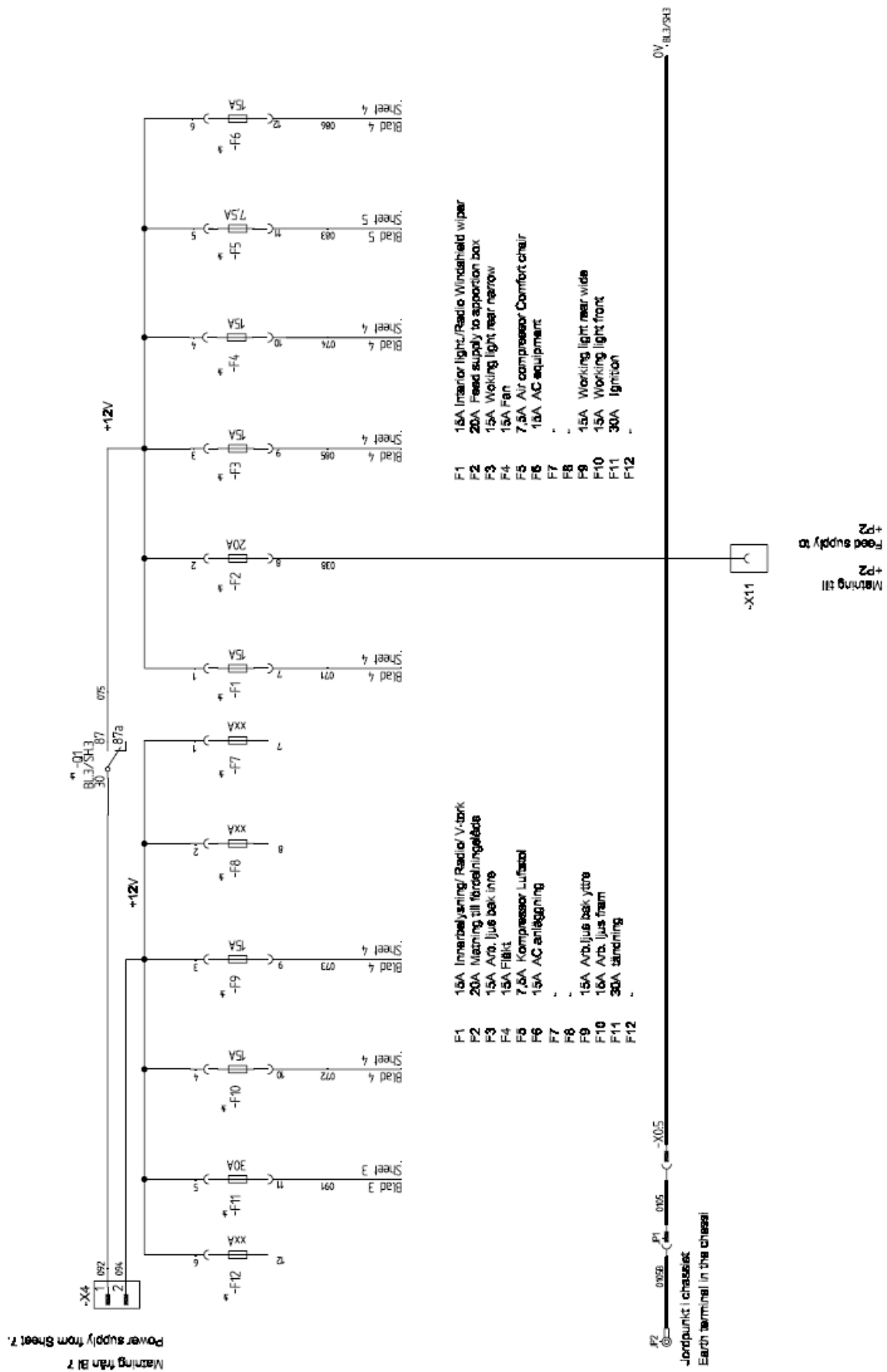
- Clean the machine thoroughly.
- Grease all lubrication points.
- Change the oil in the engine, gearbox and corner axle.
- Run the engine for 5 minutes to allow the new oil to permeate.
- Check that the coolant will cope with low temperatures and will maintain its corrosion protection.
- Change the fuel filter.
- Chock up the machine so as to not damage the tyres.
- Disconnect the battery.
- Keep the battery dry and warm. Give the battery a maintenance charge once a month.

## 8 Hydraulic circuit diagram

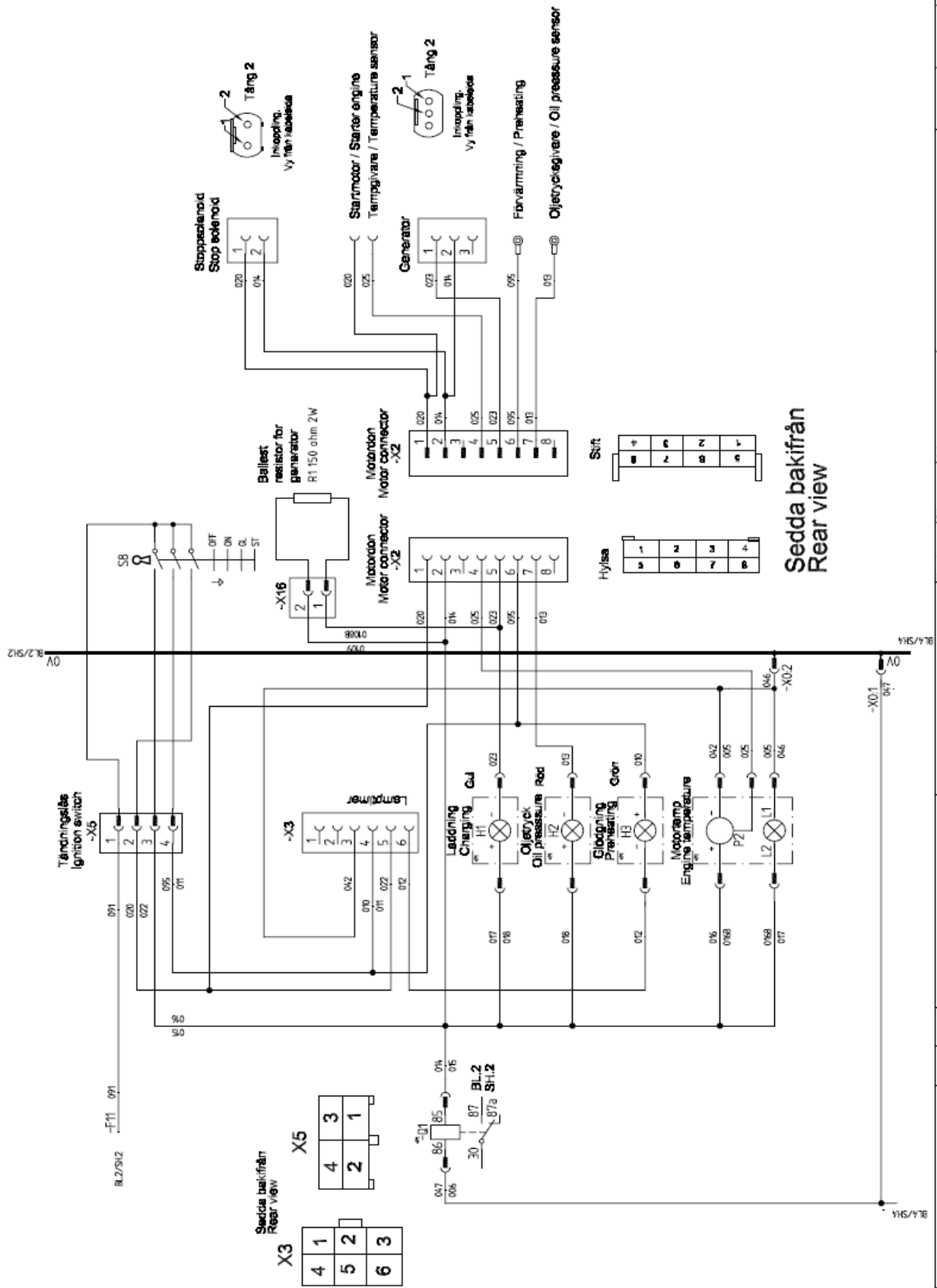


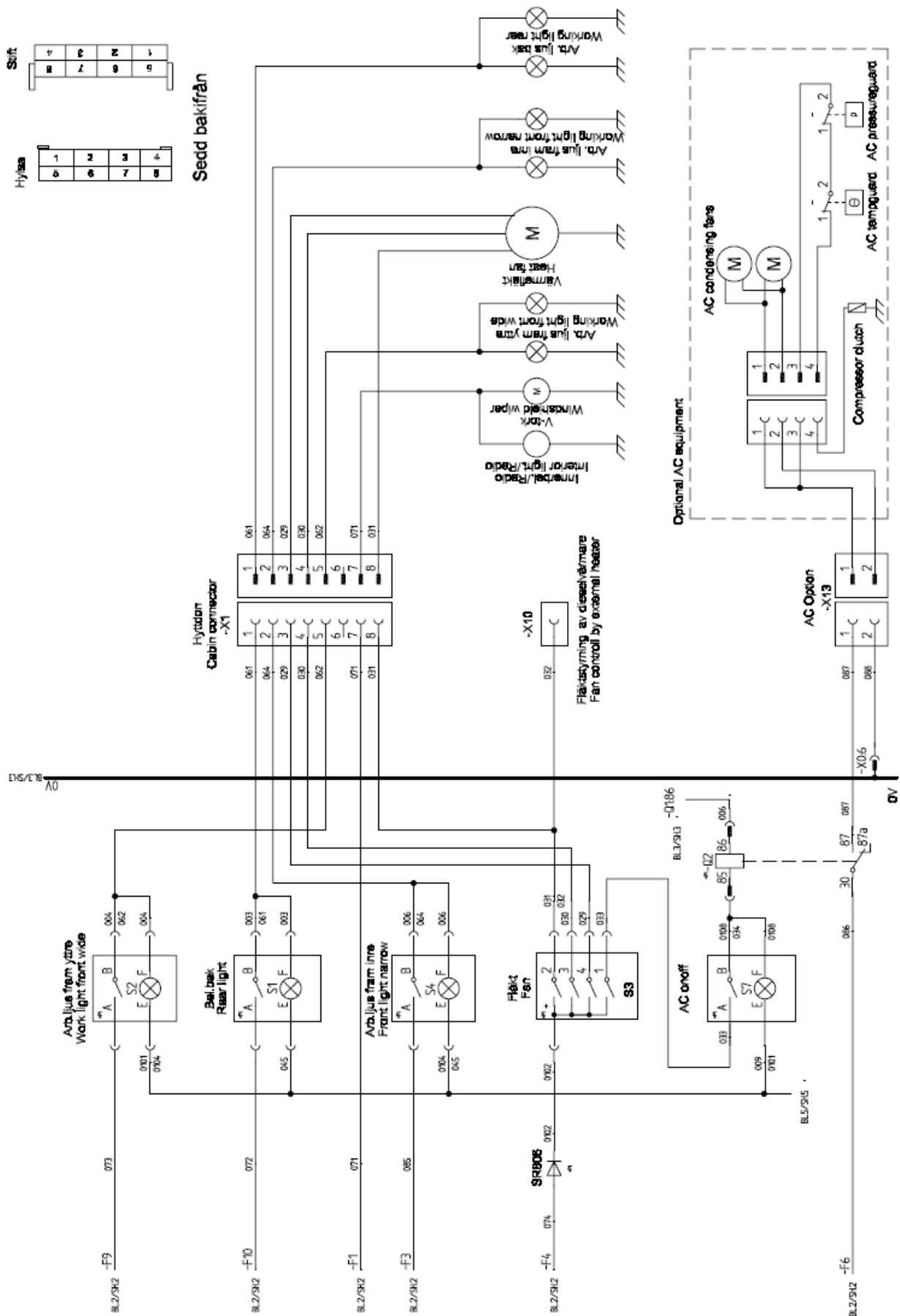
## 9 Electricity circuit diagram

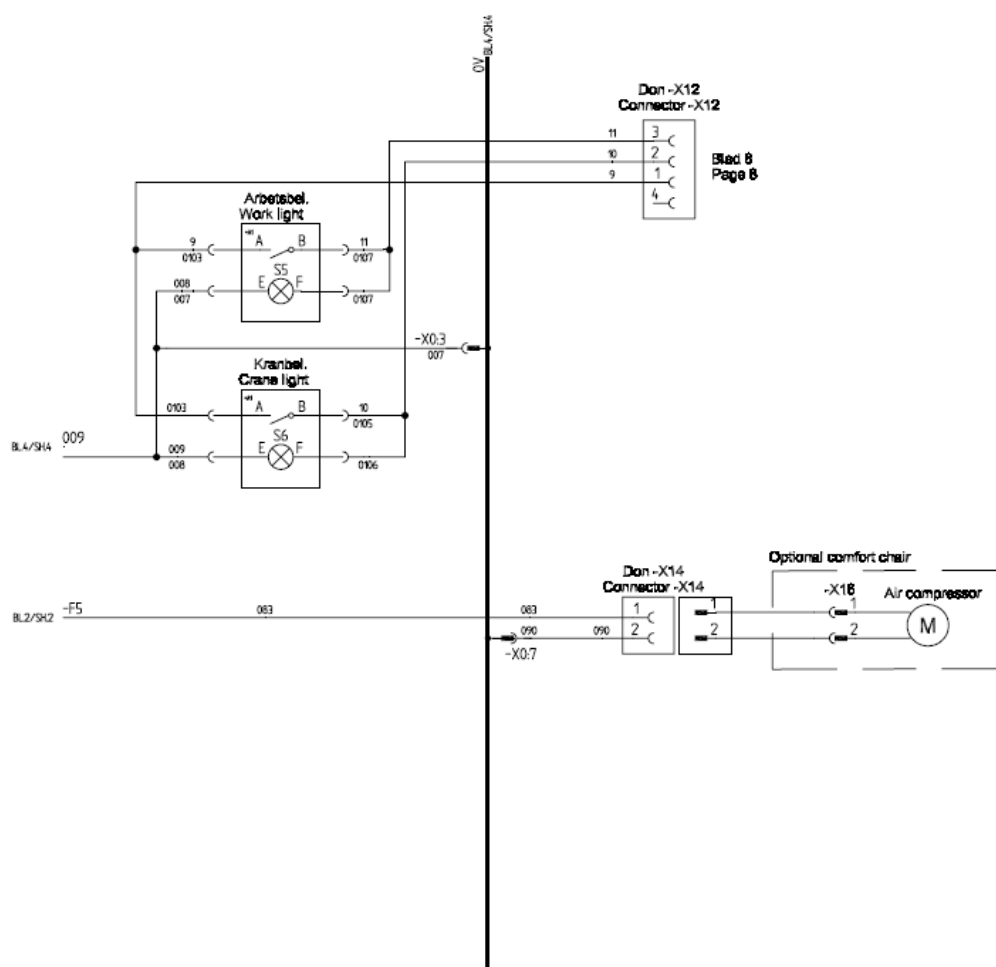








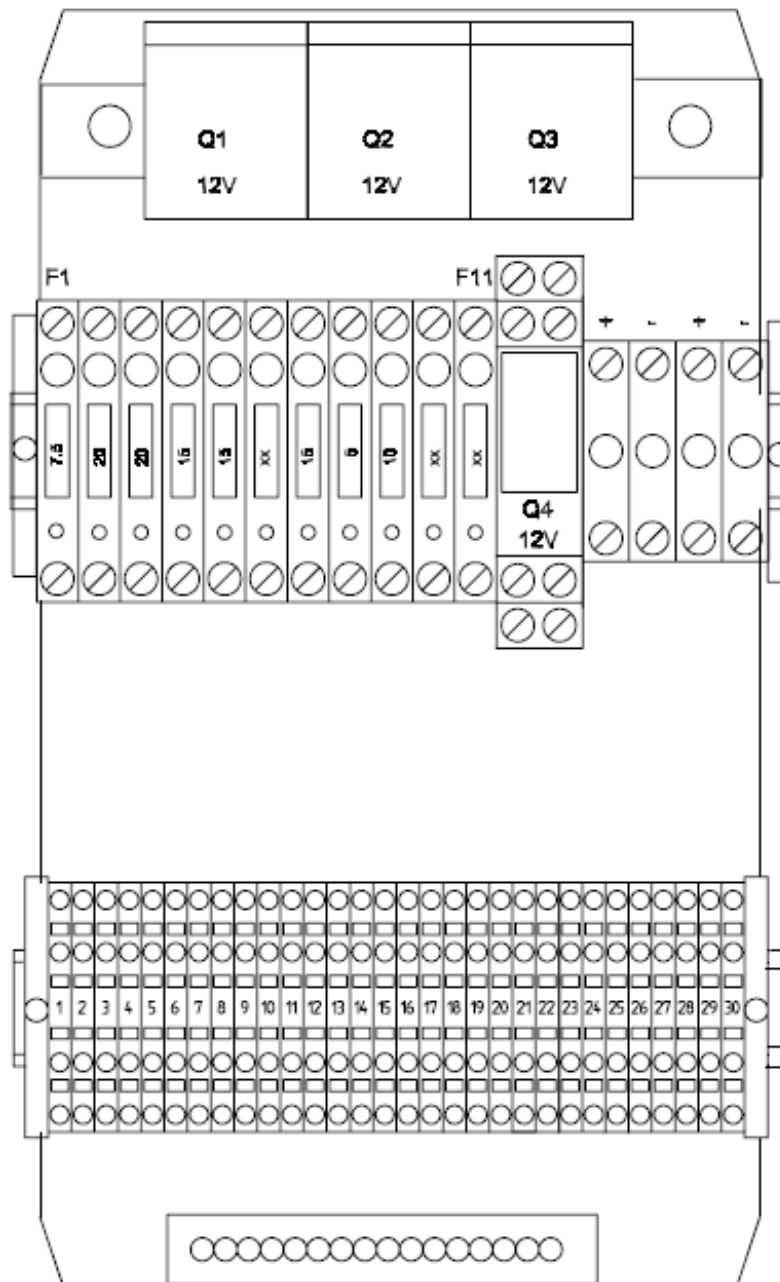




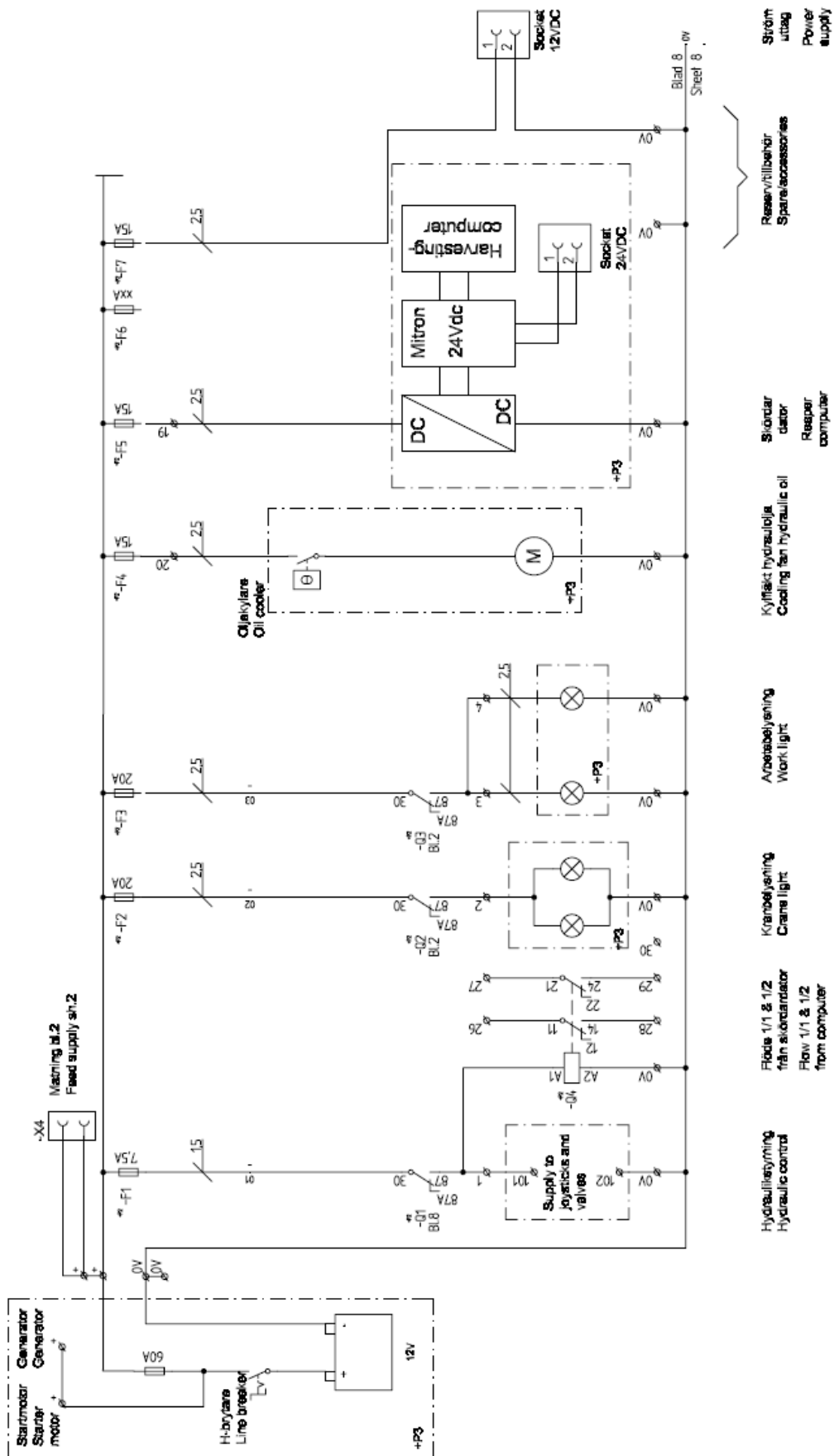
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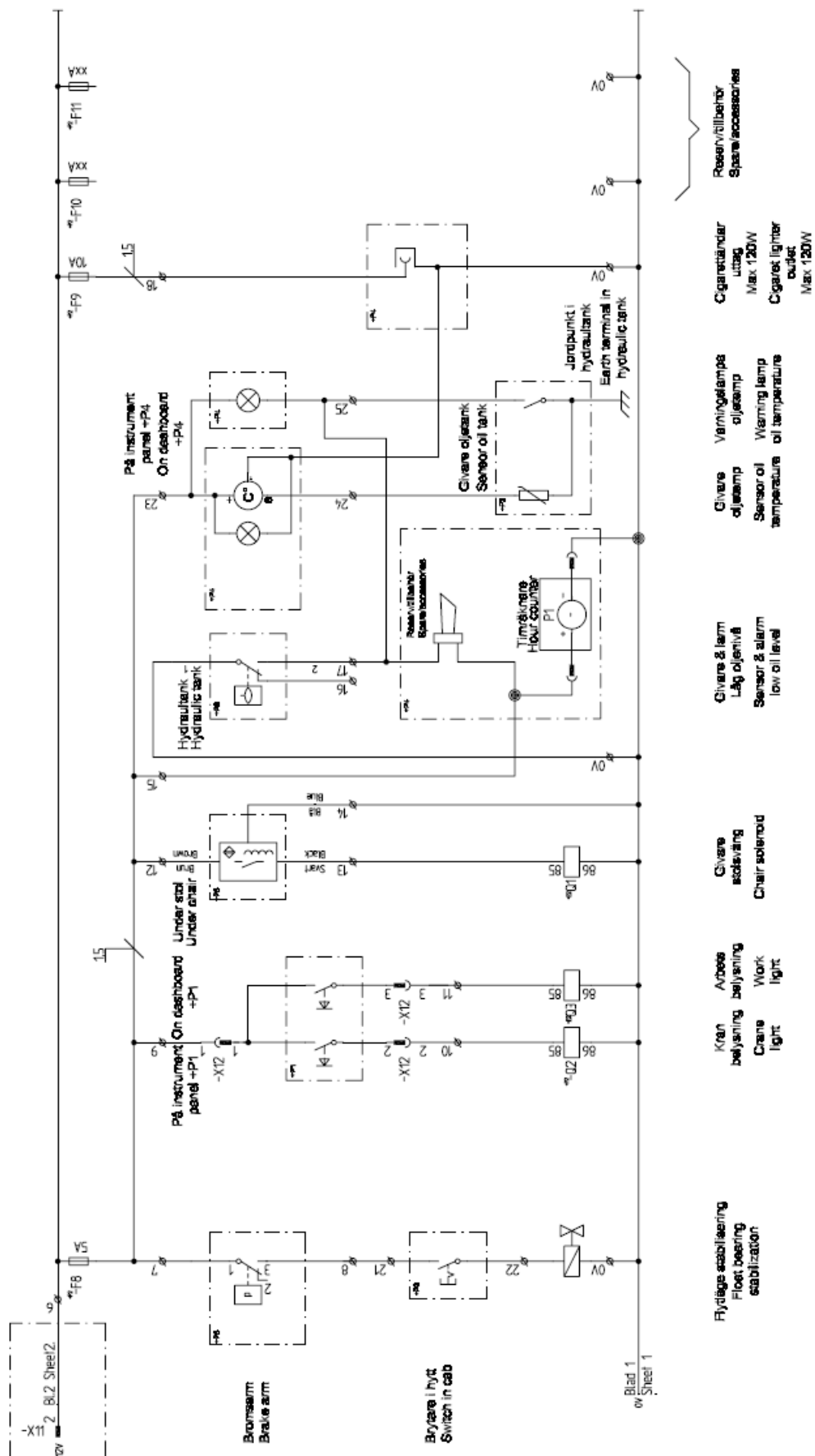
F1	7.6A	Hydraulikstyrning	F1	7.6A	Hydraulic control	Q1	Hydraulikstyrning	Q1	Hydraulic control
F2	20A	Kranbelysning	F2	20A	Crane light	Q2	Kranbelysning	Q2	Crane light
F3	20A	Arbetsbelysning	F3	20A	Work light	Q3	Arbetsbelysning	Q3	Work light
F4	16A	Kylflökt hydraulolja	F4	16A	Cooling fan hydraulic oil	Q4	Blockering pump	Q4	Chengage pump
F6	16A	Skördarador	F6	16A	Reaper Computer				
F8	xxA	Reserv	F8	xxA	Spare				
F7	16A	Strömning	F7	16A	Power supply				
F9	6A	Flydags stabilisering	F9	6A	Float bearing stabilization				
F9	10A	Cigarettnedragnings	F9	10A	Cigaret lighter outlet				
F10	xxA	Reserv	F10	xxA	Spare				
F11	xxA	Reserv	F11	xxA	Spare				

+P2









## 10 Spare parts

The spare parts catalogue is supplied separately and can contain several different models than described here. See "Spare Parts" in the machine manual.

Only use original spare parts from VIMEK.

When ordering spare parts, please state both the spare part number and the machine/crane's production number to ensure the correct parts for your machine.

To find the production number on the machine, see under section "Markings".

## 11 Warranty



**The warranty is not valid for faults arising due to incorrect care or poor maintenance.**

Vimek AB guarantees that each new VIMEK 404 T4 leaving the factory is free from material and manufacturing defects and faults.

### 11.1 Warranty period

- The warranty applies to components that have become unservicable within 12 months or 1000 hours, whichever is sooner.
- The warranty period commences once the machine has been delivered from Vimek.
- The warranty terms and conditions apply to each complete machine supplied by Vimek as stated on the order confirmation.
- The warranty only remains valid if the first service has been carried out by a Vimek-appointed mechanic.

### 11.2 Owner undertakings

- Faults or defects must be reported to Vimek or the relevant dealer immediately and corrected so that the fault does not worsen or cause other damage.
- The initial service is to be performed at 100 operating hours and to be booked by the customer well in advance at the local dealership.
- Before the initial service, the machine owner must order and pay for all materials. The machine owner is also responsible for handling oil changings and parts replacements, as well as ensuring that the machine is in a suitable location for the service to be performed.
- If a situation arises that requires the machine to be repaired in field under the terms of the warranty, the machine owner must provide an assistant for the official repairer.

### 11.3 Scope

- The warranty does not cover standard consumables such as oils, hoses, filters, lamps, sensors, belts, chains, knives, tyres, anti-skid devices, etc, nor does it cover any individual part costing less than SEK 200.
- The warranty does not cover work normally carried out by the driver such as applying lubrication, torque tightening bolt joints, performing simple repairs and replacing parts that the driver/owner would not normally employ a mechanic to do.
- The warranty undertaking does not cover faults and defects caused by:
  - Poor maintenance
  - Incorrect operation
  - Changes made to the machine by the purchaser without the approval of the manufacturer, e.g. changes to the hydraulic power of the machine
  - Consequential damage caused by outside influences.
  - If the machine has been run in temperatures below -25 degrees.
  - Damage arising as the result of third-party spare parts being used.
- Vimek is not liable to pay compensation for production losses, income lost during servicing or other indirect damage suffered due to faults or defects in the machine.
- Faults or deviations in relation to the normal standard in parts of the machine that require normal servicing or adjustment are not to be regarded as being covered by the warranty provided that the fault does not remain after servicing or adjustment work has been carried out.

### 11.4 Labour, transportation and travelling expenses

- During the warranty period, Vimek undertakes to repair faulty parts or replace them with a new or refurbished part. If the procedure in question requires the involvement of a mechanic, the dealer must be remunerated for reasonable labour costs.
- There is no liability to remunerate travelling expenses incurred by service personnel.
- The purchaser may carry out the repair themselves or replace the faulty part provided that the dealer has been consulted and the parties are in agreement.
- Parts are sent by normal post; for express delivery, any additional costs are charged.

### 11.5 Material

- All items for which remuneration is required must be purchased from the local Vimek dealer.
- Replaced parts must be clearly marked with customer details, machine number, a description of the fault and be returned, along with a completed claim form, to Vimek within two weeks for assessment. A credit will be applied to returned parts if the claim is approved.



**11.6 Spare parts**

- The guarantee period on parts supplied during the warranty period ends at the same time as the warranty period of the machine.

